

CLAIMS

1. An electronic engine throttle controller for controlling industrial internal combustion engines RPM in multiple engine use configuration comprises;

5 a microprocessor base profile throttle control apparatus in communication with the engine,

said profile throttle control apparatus including,

multiple engine throttle control parameter sequences,

said control parameter sequences including a manual mode configuration,

a manual automatic mode configuration,

10 and a fully automatic mode configuration,

means for programming said electronic engine throttle control for said selective throttle control parameter sequences and engine thermal programmables.

2. The electronic engine throttle control set forth in claim 1 wherein said
15 throttle control apparatus communicates with said engine comprises,

integrated interfacing with an engine controller on said engine.

3. The electronic engine throttle control set forth in claim 1 wherein said throttle control apparatus in communication with said engine further comprises,
direct communication with an engine throttle control on said engine.

20 4. The electronic engine throttle control set forth in claim 1 wherein said manual mode control parameter sequences comprise,

a manual engine start and stop,

manual engine throttle ramping up and down,

manual selection of engine throttle operation, settings and selective programmable upper and lower engine RPM limits by said engine throttle control.

5. The electronic engine throttle control of claim 1 wherein said manual automatic control parameter sequences comprises,

5 a manual engine start and stop, multiple preprogrammed engine throttle settings, and multiple manual engine throttle ramping inputs by which said preprogrammed engine throttle settings are activated.

6. The electronic engine throttle control set forth in claim 1 wherein said automatic control parameters sequences comprises,

10 preprogrammed automatic engine starts and stops,
preprogrammed engine throttle ramping up and down,
and preprogrammed target engine operational RPM.

7. The electronic engine throttle control set forth in claim 6 wherein said preprogrammed engine throttle ramping up and ramping down further comprises,
15 throttle warm-up RPM and cool down RPM.

8. The electronic engine throttle control set forth in claims 6 and 7 wherein said preprogrammed engine throttle ramping up and ramping down further comprises,

engine throttle RPM ramping up to said target engine operational RPM,
20 and engine throttle RPM ramping down to said engine cool down preset RPM.

9. The electronic engine throttle control set forth in claims 1 and 7 wherein said engine's thermal parameters comprises,

preprogrammed engine, operational temperatures for said warm-up engine RPM and said cool down engine RPM.

5 10. The electronic engine throttle control set forth in claim 2 wherein said integral interfacing of said throttle control apparatus with the engine controller on said engine comprises,

utilizing a high speed J1939 communication protocol.

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